

Figure 1



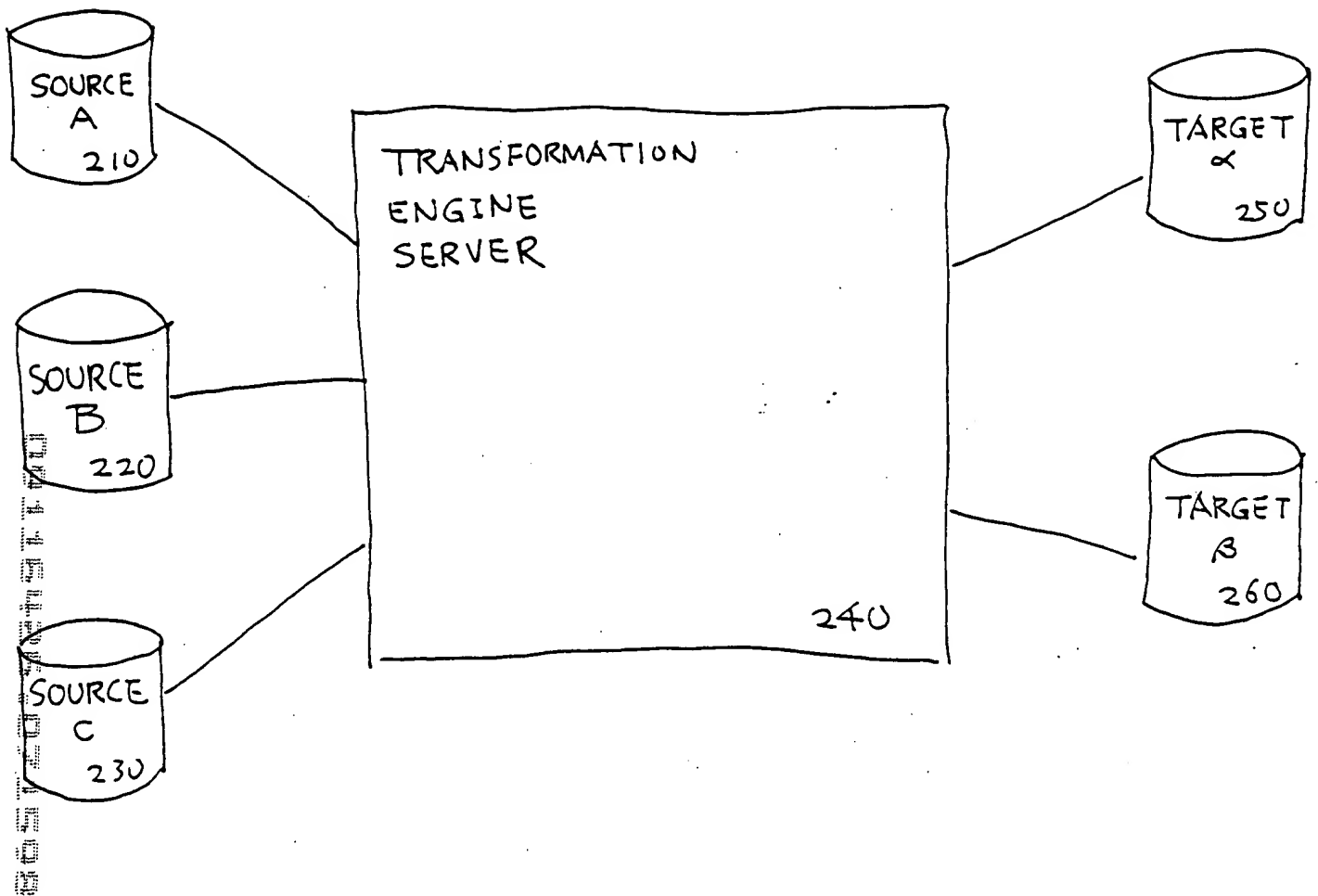
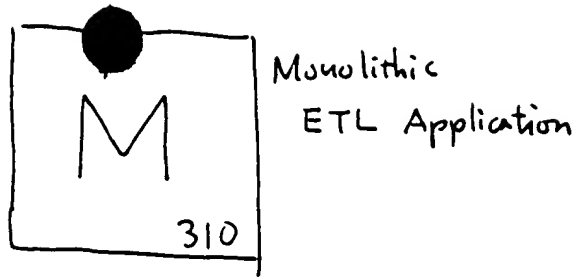
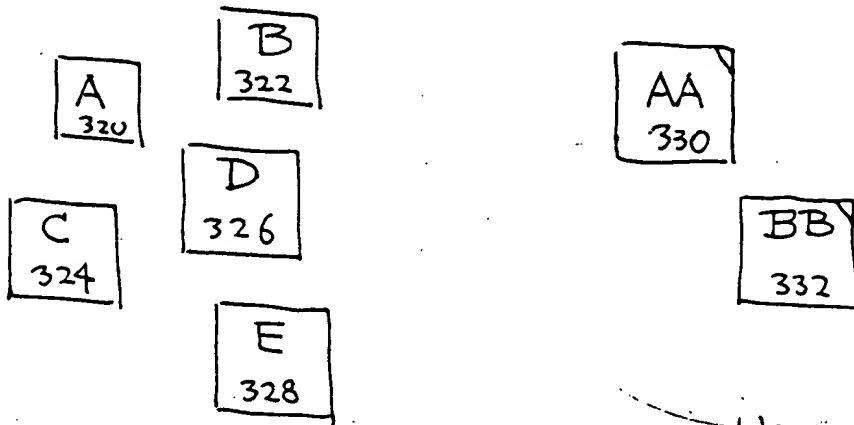


Figure 2

Figure 3A



Step 315

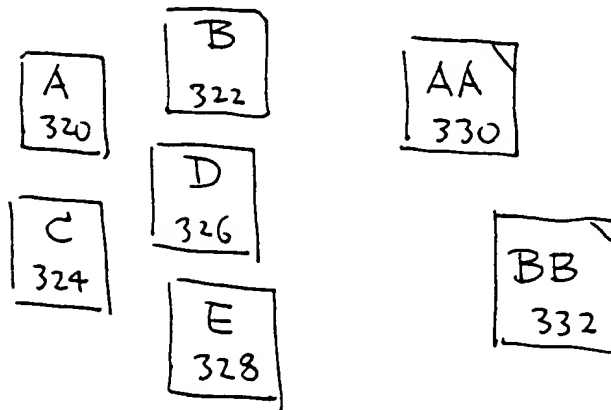


User-Developed Transformation Components

Figure 3B

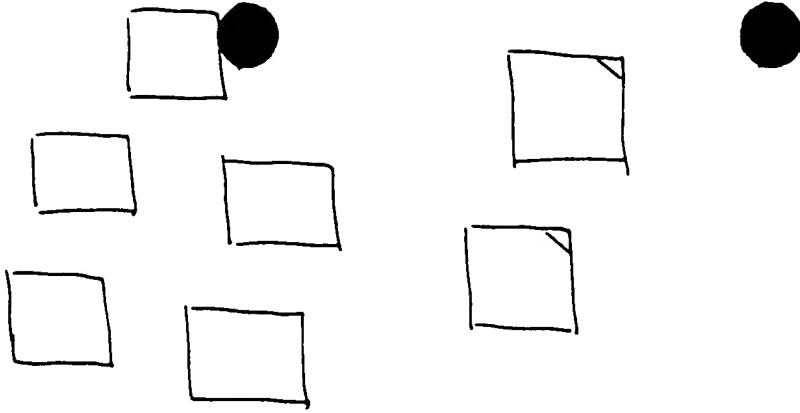
305 306 307 308 309

Figure 3C

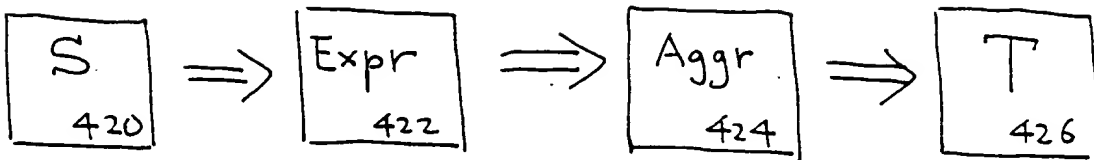
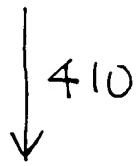


Extensible Set of Transformation Components

# EXTENSIBLE SET OF TRANSFORMATION COMPONENTS

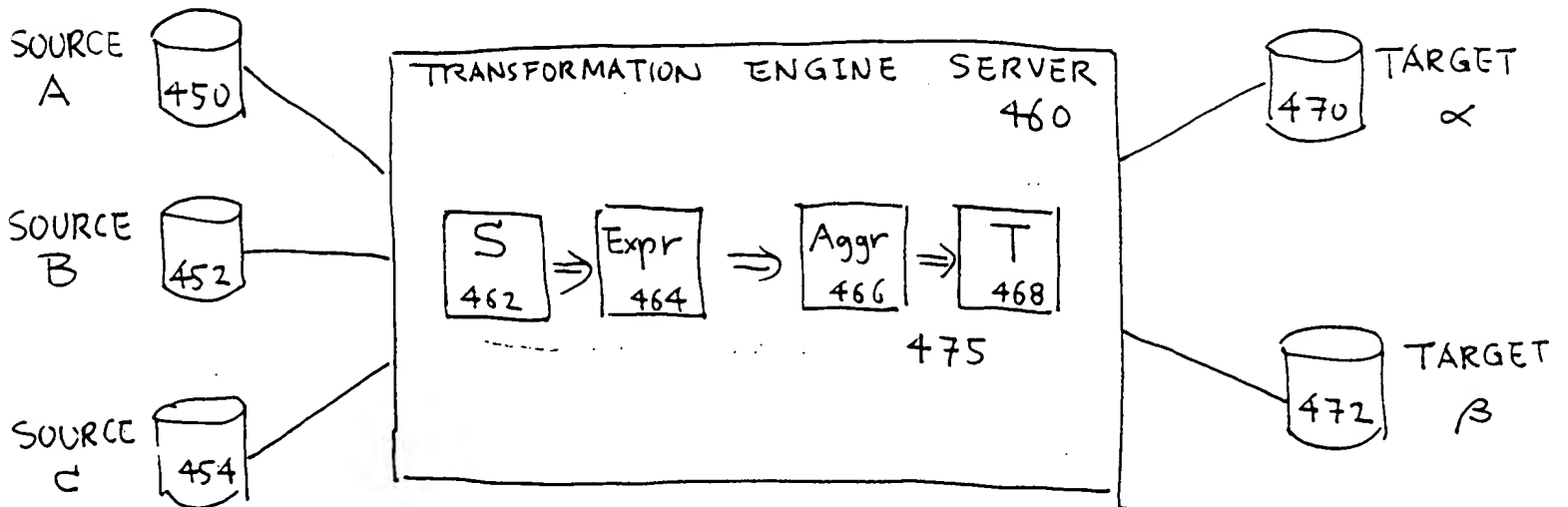


400



PIPELINE

440



475

480

Figure 4

# HUMAN INSIGHT

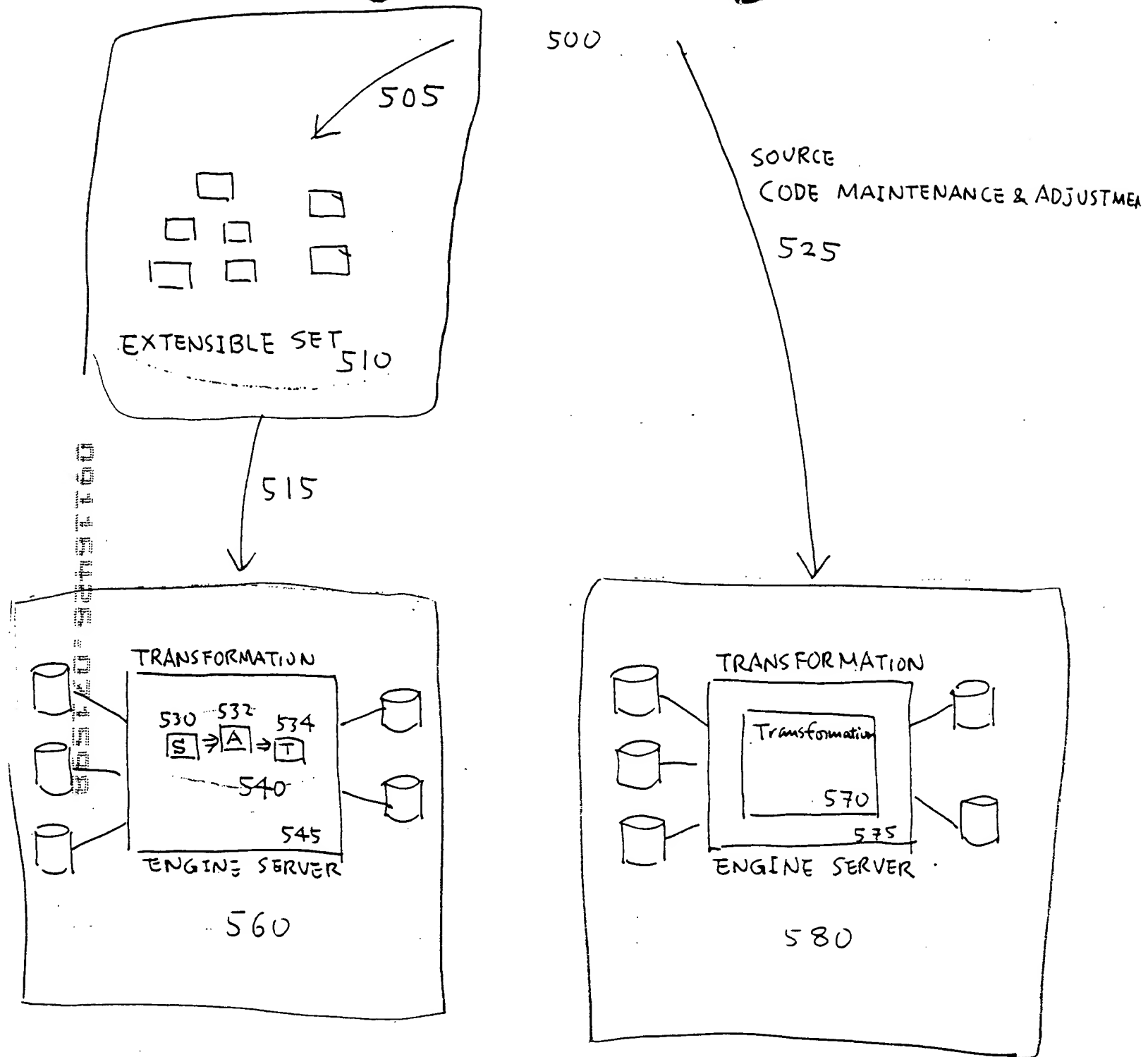
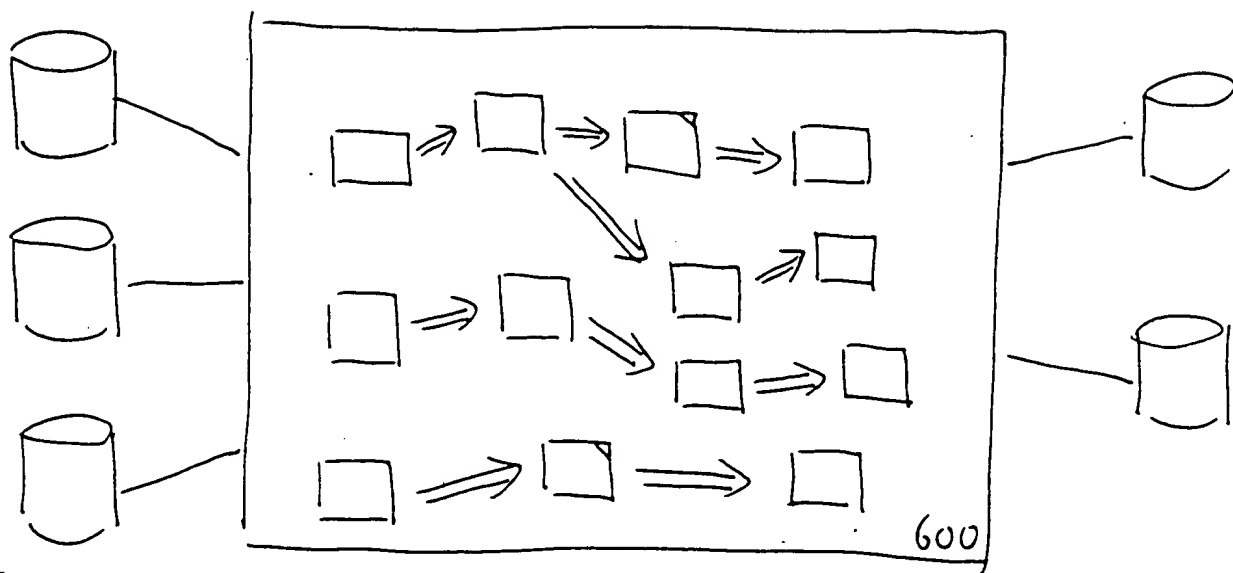


Figure 5

603 604 605 606



605

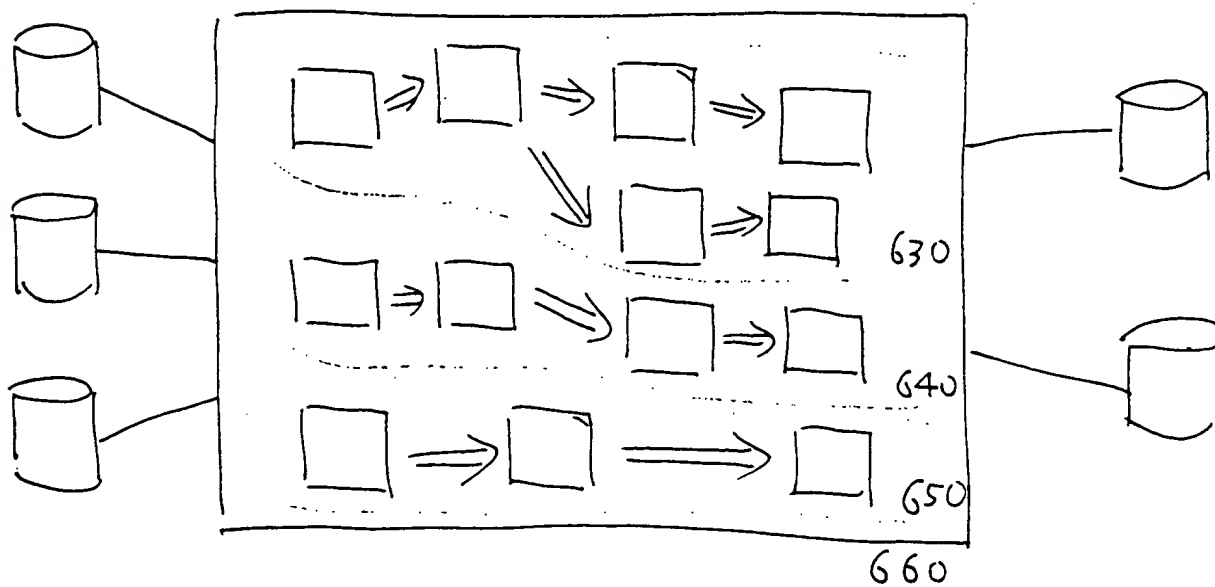
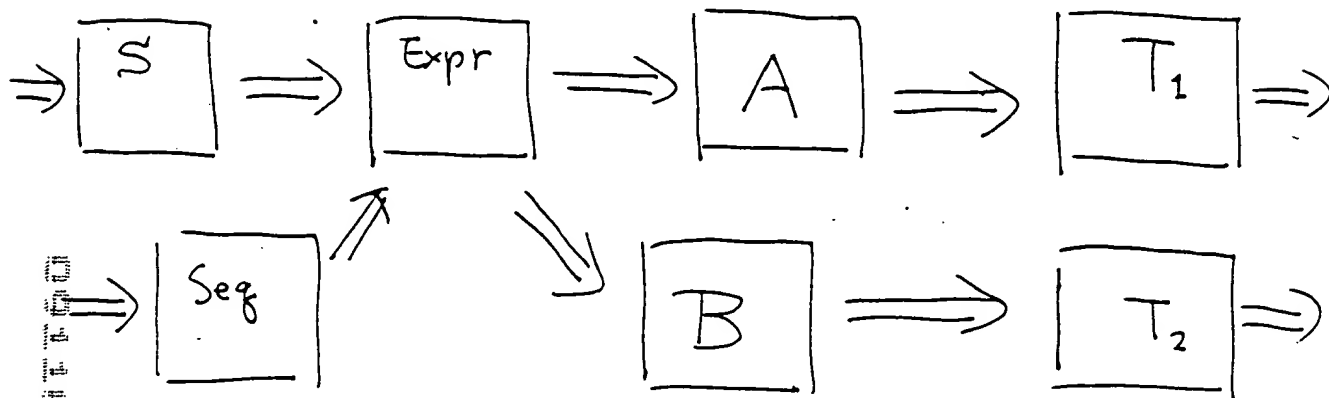
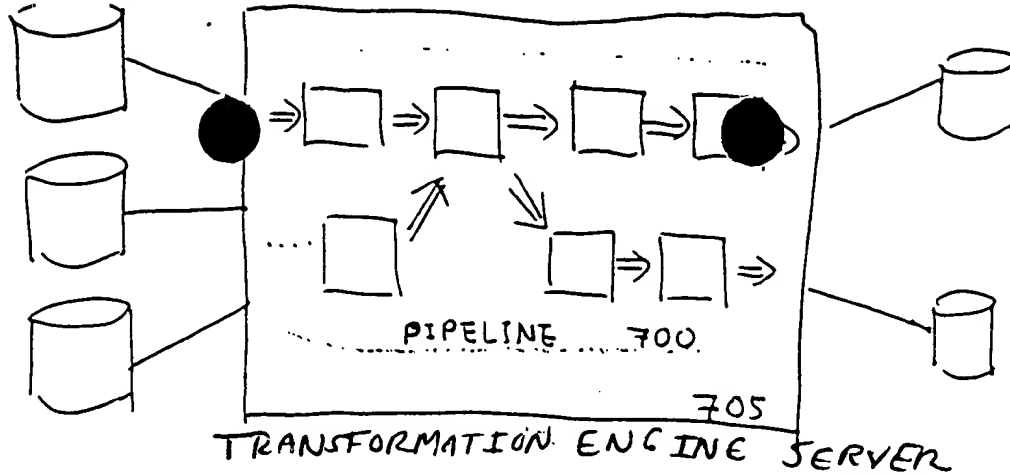
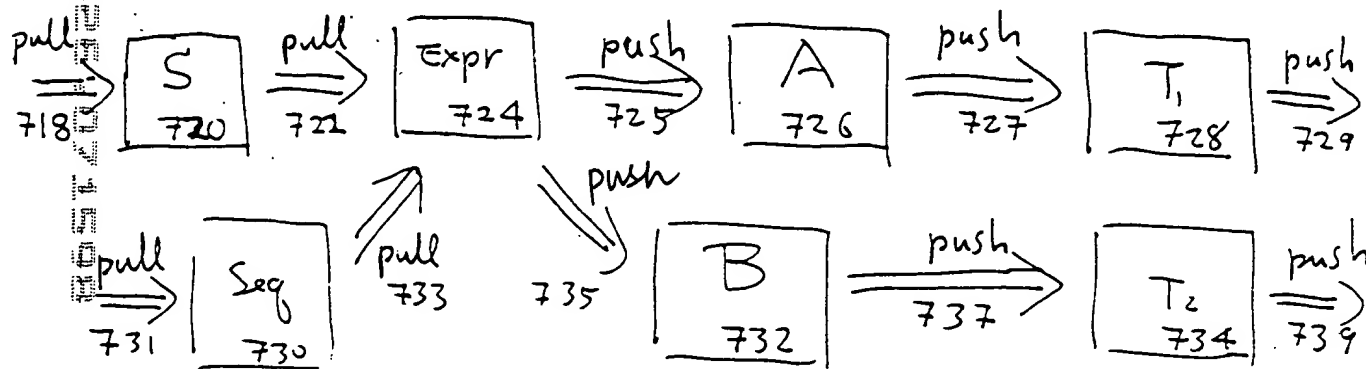


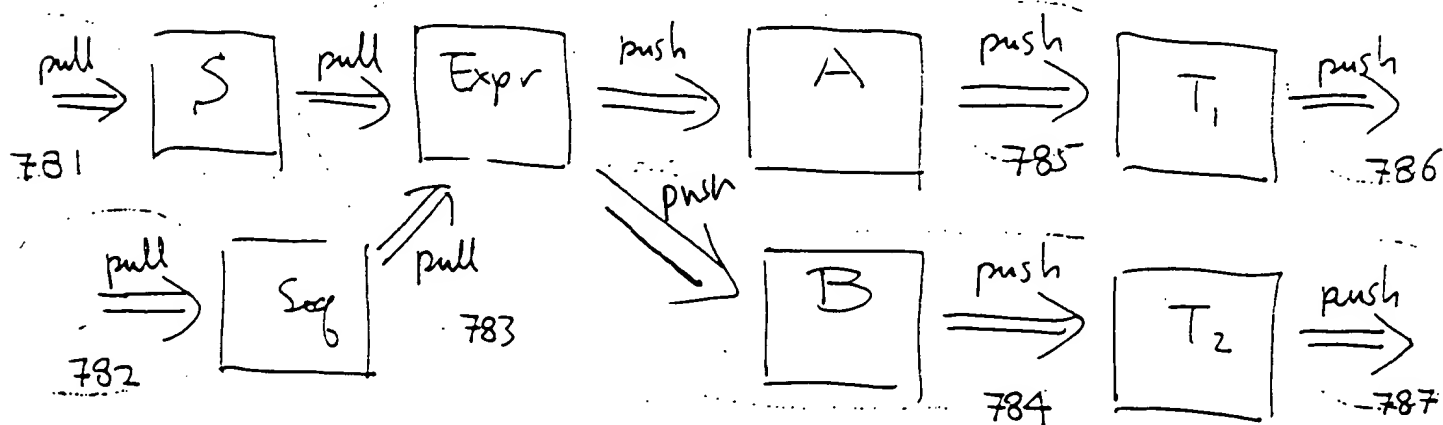
Figure 6



710



740



780

Figure 7

Manually choose the transformation components necessary to accomplish the data ETL process

800

Manually arrange these transformation components sequentially to form a pipeline or pipelines

805

The server automatically identifies the individual pipeline(s). This is the gross level of independent task(s) to be executed in parallel.

810

For each pipeline, the server further establishes the mode of active data movement for each transformation component G within the pipeline according to the nature/functions of the transformation desired

820

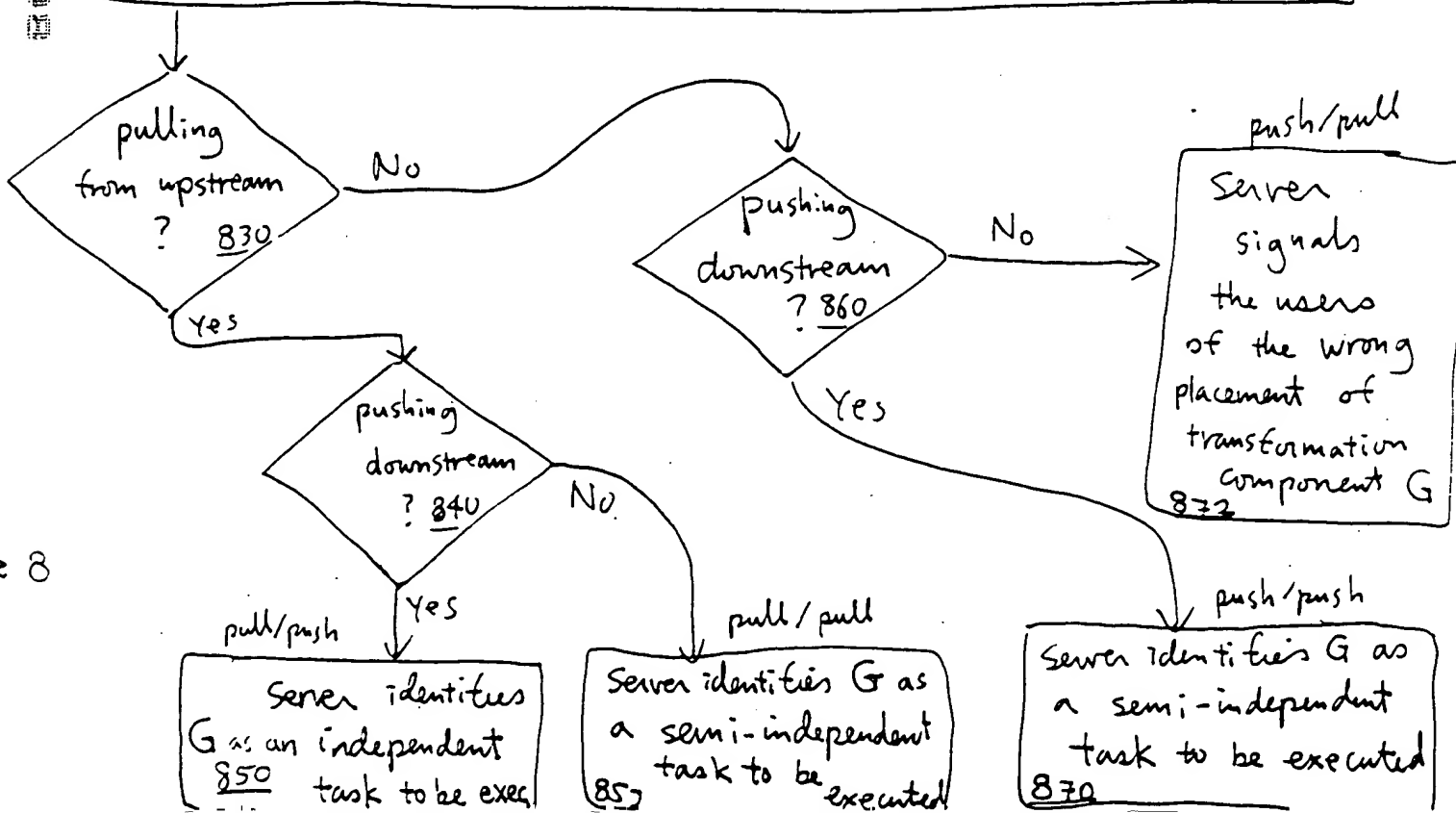


Figure 8

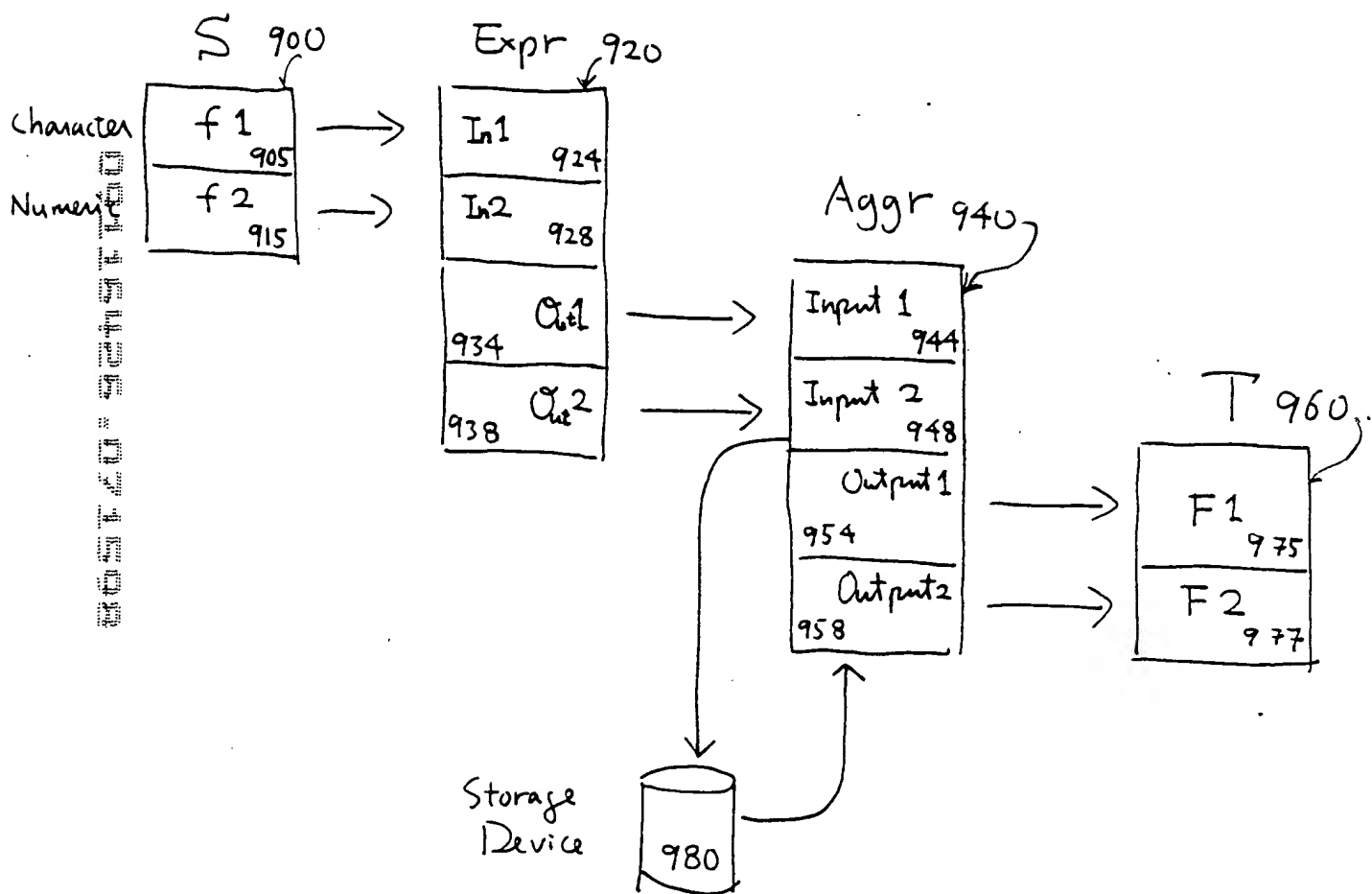
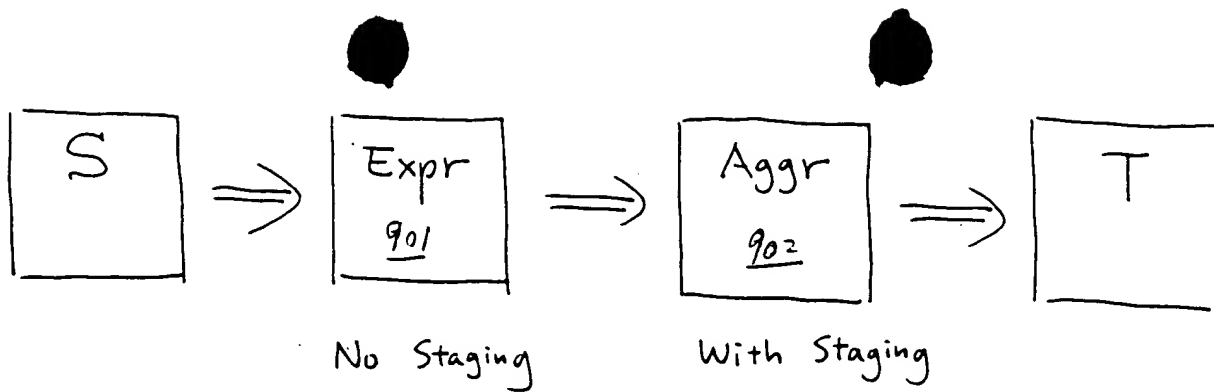


Figure 9